L2 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:513550 CAPLUS
DOCUMENT NUMBER: 141:76694
TITLE: A composition containing triterpenoid saponins extracted from bamboo, and the preparation method and use thereof
INVENTOR(S): Zhang, Ying; Wu, Xiaoqin; Yu, Zhuoyu; Zhu, Yunlong; Chen, Lingen; Luo, Shenggen
PATENT ASSIGNEE(S): Zhejiang University (Hangzhou) Leaf Bio-Technology Co., Ltd., Peop. Rep. China; Shanghai Yunteng Plant-Extract Science and Technology Development Co., Ltd.
SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052383	A1	20040624	WO 2003-CN309	20030428
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CN 1506373	A	20040623	CN 2002-154401	20021210
AU 2003231499	A1	20040630	AU 2003-231499	20030428
EP 1576958	A1	20050921	EP 2003-724792	20030428
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006512330	T	20060413	JP 2004-557744	20030428
US 2006148733	A1	20060706	US 2005-538463	20051123

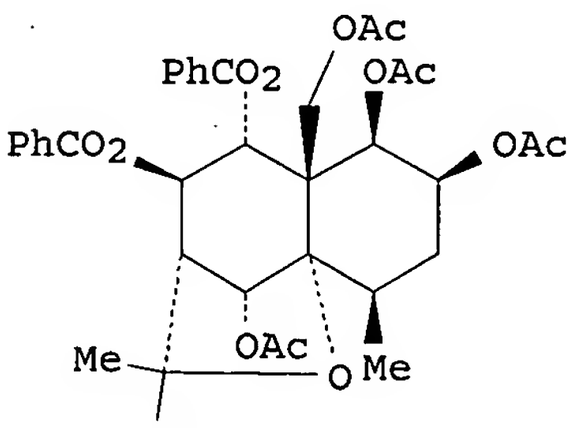
PRIORITY APPLN. INFO.: CN 2002-154401 A 20021210
WO 2003-CN309 W 20030428

AB The present invention relates to an composition containing triterpenoid saponins extracted from Bamboo, and the preparation method and use thereof. The triterpenoid saponins are extracted from various parts of bamboo belonging to Gramineae, such as Bamboo Shavings and the like, using supercrit. CO2 fluid extraction technol. The content of triterpenoid saponins in the composition is 10-90%. The contents of friedelin and lupenone are 5-35% and 1-10% resp. The extract has good anti-free radical, anti-oxidation, antitumor, hypotensive activities and the like. The extract of the present invention can be useful as therapeutic drugs or functional foods for the treatment or prevention of cardiovascular and cerebral vascular diseases, as well as for the treatment of tumor, and useful in cosmetic field.

L2 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:878092 CAPLUS
DOCUMENT NUMBER: 139:81998
TITLE: Study on constituents of latex: triterpenoids of Euphorbia tirucalli
AUTHOR(S): Fujita, Maki; Oka, Hanae; Arai, Yoko; Masuda, Kazuo; Takano, Akihito; Shiojima, Kenji
CORPORATE SOURCE: Showa Pharmaceutical University, Machida, Tokyo,

194-8543, Japan
SOURCE: Natural Medicines (Tokyo, Japan) (2002), 56(4), 160
CODEN: NMEDEO; ISSN: 1340-3443
PUBLISHER: Japanese Society of Pharmacognosy
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The normal hexane extract of Euphorbia tirucalli was chromatographed on silica gel yielding several fractions. Parrafins from fraction 1 were mixts. of C23H48 to C31H64, while fatty acid esters from fraction 2 were esters of compound euphol and tirucallol. Three acetates of euphol, tirucallol and lupeol and two ketones, lupenone and friedelin were detected in fraction 3. Triterpenoid alcs. I, II and glutinol were identified from the alc. fraction of fraction 4.
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:477440 CAPLUS
DOCUMENT NUMBER: 133:220150
TITLE: A novel agarofuran sesquiterpene, celahin D from Celastrus hindsii Benth
AUTHOR(S): Huang, Hui-Chi; Shen, Chien-Chang; Chen, Chieh-Fu; Wu, Yang-Chang; Kuo, Yao-Haur
CORPORATE SOURCE: Graduate Institute of Natural Products, Kaohsiung Medical College, Kaohsiung, 807, Taiwan
SOURCE: Chemical & Pharmaceutical Bulletin (2000), 48(7), 1079-1080
CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB A novel agarofuran sesquiterpene polyol ester, 1β,2β,6α,15β-tetraacetoxy-8β,9α-dibenzoyloxy-β-dihydroagarofuran (celahin D, I), two known analogs of 1,1β-acetoxy-8β,9α-dibenzoyloxy-4α,6α-dihydroxy-2β-(α-methylbutanoyloxy)-β-dihydroagarofuran and 1β-acetoxy-8β,9α-dibenzoyloxy-6α-hydroxy-2β-(α-methylbutanoyloxy)-β-dihydroagarofuran, and a known cytotoxic sesquiterpene pyridine alkaloid, emarginatine E, were isolated from the stems of Celastrus hindsii Benth. Three known triterpenes, loranthol, lupenone and friedelinol were also obtained from the titled plant. Structural elucidation of I was established by 2D NMR spectra.
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:453161 CAPLUS

DOCUMENT NUMBER: 122:235234
TITLE: Isolation of constituents from the leaves of Syzygium tripinnatum
AUTHOR(S): Tsai, Ian-Lih; Sheen, Wine-Show; Chen, Jih-Jung; Chen, Ih-Sheng
CORPORATE SOURCE: School of Pharmacy, Kaohsiung Medical College, Kaohsiung, Taiwan
SOURCE: Chinese Pharmaceutical Journal (Taipei, Taiwan) (1994), 46(5), 401-12
CODEN: CPHJEP; ISSN: 1016-1015
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Six triterpenoids (friedelin, lupenone, lupeol, lupenyl palmitate, obtusalin and cycloartenyl stearate) and 3 steroids (stigmast-4-en-3-one, β-sitosterol and β-sitosteryl stearate) were isolated from the CHCl3 soluble fraction of the leaves of S. tripinnatum. The structures of these compds. were verified by chemical and spectroscopic methods.

L2 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:552246 CAPLUS
DOCUMENT NUMBER: 83:152246
TITLE: Triterpenoids and the related compounds from gramineae plants. X
AUTHOR(S): Ohmoto, Taichi; Uzawa, Sumiko; Tanaka, Ryuji
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Shoyakugaku Zasshi (1974), 28(1), 1-6
CODEN: SHZAAY; ISSN: 0037-4377
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
GI For diagram(s), see printed CA Issue.
AB Fourteen triterpenoids and related compds. were isolated from Arundinarieae and identified to be β-amyrin (I) [559-70-6], fernenol [4966-00-1], fernenone [6090-29-5], arundoin [4555-56-0], cylindrin [17904-55-1], epifriedelinol [16844-71-6], friedelin [559-74-0], germanicol [465-02-1], miliacin [5945-45-9], glutinol [545-24-4], glutinone [508-09-8], lupeol [545-47-1], lupenone [1617-70-5] and taraxerol [127-22-0].

L2 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:455701 CAPLUS
DOCUMENT NUMBER: 83:55701
TITLE: Triterpenoids from ten Lithocarpus species of Hong Kong
AUTHOR(S): Hui, Wai-Haan; Ko, Phyllis D. S.; Lee, Yuk-Chun; Li, Man-Moon; Arthur, Henry R.
CORPORATE SOURCE: Dep. Chem., Univ. Hong Kong, Hong Kong, Hong Kong
SOURCE: Phytochemistry (Elsevier) (1975), 14(4), 1063-6
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
AB From the petrol exts. of the leaves and stems of 10 Lithocarpus species (L. attenuata, L. cornea, L. elizabethae, L. glabra, L. haipinii, L. hancei, L. harlandi, L. irwinii, L. litchioides, and L. polystachya) of the Fagaceae family, were isolated 23 different triterpenoids, and sitosterol and stigmasterol. Of the triterpenoids, 11 belonged to the oleanane and rearranged oleanane group [β-amyrin, friedelin, friedelan-3β-ol, glutinol, taraxerone, taraxerol, and its acetate, canophyllol (28-hydroxyfriedelan-3-one), friedelan-2,3-dione (3-hydroxyfriedel-3-en-2-one), pachysandiol A (2α,3β-dihydroxyfriedelane) and a new compound lithocarpic lactone C30H5002]. Four compds. were from the lupane and rearranged lupane group (lupenone, lupeol, betulin, and taraxasterol), 2 from the hopane group (22-hydroxyhopan-3-one and 3β,22-

dihydroxyhopane), and 6 were probably new compds.

L2 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1969:488461 CAPLUS
DOCUMENT NUMBER: 71:88461
TITLE: Triterpenoids and related compounds from gramineae plants. V
AUTHOR(S): Ohmoto, Taichi
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Yakugaku Zasshi (1969), 89(6), 814-20
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB Triterpenoids in Paspalum dilatatum, Hemarthrica sibirica, Miscanthus sacchariflorus, M. sinensis, Saccharum spontaneum var arenicola, Coix lacryma-jobi, and Zea mays were examined from a chemotaxonomic point of view. Lupeol Me ether, m. 250-1°, [α]D23 35.6° (CHCl3) was isolated from culms and leaves of P. dilatatum and identified with a specimen prepared by methylation of lupeol. Other constituents were β-amyrin, its Me ether, α-amyrin Me ether, campesterol, crusgallin, cylindrin, ferneol, friedelin, glutinol, glutinone, isoarborinol, lupeol, miliacin, β-sitosterol, stigmasterol, and taraxerol. Triterpenoids of Zoysia matrella were reinvestigated and fernenone, m. 206-7°, [α]D23 -39.4°, and 12-ketoarundoin, m. 291°, [α]D23 -5.2°, were identified for the first time from natural sources. Arundoin and lupenone were obtained from Cynodon dactylon and Phyllostachys heterocycla var pubescens, resp.

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:513550 CAPLUS
DOCUMENT NUMBER: 141:76694
TITLE: A composition containing triterpenoid saponins extracted from bamboo, and the preparation method and use thereof
INVENTOR(S): Zhang, Ying; Wu, Xiaoqin; Yu, Zhuoyu; Zhu, Yunlong; Chen, Lingen; Luo, Shenggen
PATENT ASSIGNEE(S): Zhejiang University (Hangzhou) Leaf Bio-Technology Co., Ltd., Peop. Rep. China; Shanghai Yunteng Plant-Extract Science and Technology Development Co., Ltd.
SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052383	A1	20040624	WO 2003-CN309	20030428
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CN 1506373	A	20040623	CN 2002-154401	20021210
AU 2003231499	A1	20040630	AU 2003-231499	20030428
EP 1576958	A1	20050921	EP 2003-724792	20030428
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006512330	T	20060413	JP 2004-557744	20030428
US 2006148733	A1	20060706	US 2005-538463	20051123

PRIORITY APPLN. INFO.: CN 2002-154401 A 20021210
WO 2003-CN309 W 20030428

AB The present invention relates to an composition containing triterpenoid saponins extracted from Bamboo, and the preparation method and use thereof. The triterpenoid saponins are extracted from various parts of bamboo belonging to Gramineae, such as Bamboo Shavings and the like, using supercrit. CO2 fluid extraction technol. The content of triterpenoid saponins in the composition is 10-90%. The contents of friedelin and lupenone are 5-35% and 1-10% resp. The extract has good anti-free radical, anti-oxidation, antitumor, hypotensive activities and the like. The extract of the present invention can be useful as therapeutic drugs or functional foods for the treatment or prevention of cardiovascular and cerebral vascular diseases, as well as for the treatment of tumor, and useful in cosmetic field.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1969:488461 CAPLUS
DOCUMENT NUMBER: 71:88461
TITLE: Triterpenoids and related compounds from gramineae plants. V
AUTHOR(S): Ohmoto, Taichi
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Yakugaku Zasshi (1969), 89(6), 814-20
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB Triterpenoids in Paspalum dilatatum, Hemarthrica sibirica, Miscanthus sacchariflorus, M. sinensis, Saccharum spontaneum var arenicola, Coix lacryma-jobi, and Zea mays were examined from a chemotaxonomic point of view. Lupeol Me ether, m. 250-1°, [α]D23 35.6° (CHCl3) was isolated from culms and leaves of P. dilatatum and identified with a specimen prepared by methylation of lupeol. Other constituents were β-amyrin, its Me ether, α-amyrin Me ether, campesterol, crusgallin, cylindrin, ferneol, friedelin, glutinol, glutinone, isoarborinol, lupeol, miliacin, β-sitosterol, stigmasterol, and taraxerol. Triterpenoids of Zoysia matrella were reinvestigated and fernenone, m. 206-7°, [α]D23 -39.4°, and 12-ketoarundoin, m. 291°, [α]D23 -5.2°, were identified for the first time from natural sources. Arundoin and lupenone were obtained from Cynodon dactylon and Phyllostachys heterocycla var pubescens, resp.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1969:488461 CAPLUS
DOCUMENT NUMBER: 71:88461
TITLE: Triterpenoids and related compounds from gramineae plants. V
AUTHOR(S): Ohmoto, Taichi
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Yakugaku Zasshi (1969), 89(6), 814-20
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB Triterpenoids in Paspalum dilatatum, Hemarthrica sibirica, Miscanthus sacchariflorus, M. sinensis, Saccharum spontaneum var arenicola, Coix lacryma-jobi, and Zea mays were examined from a chemotaxonomic point of view. Lupeol Me ether, m. 250-1°, [α]D23 35.6° (CHCl3) was isolated from culms and leaves of P. dilatatum and identified with a specimen prepared by methylation of lupeol. Other constituents were β-amyrin, its Me ether, α-amyrin Me ether, campesterol, crusgallin, cylindrin, ferneol, friedelin, glutinol, glutinone, isoarborinol, lupeol, miliacin, β-sitosterol, stigmasterol, and taraxerol. Triterpenoids of Zoysia matrella were reinvestigated and fernenone, m. 206-7°, [α]D23 -39.4°, and 12-ketoarundoin, m. 291°, [α]D23 -5.2°, were identified for the first time from natural sources. Arundoin and lupenone were obtained from Cynodon dactylon and Phyllostachys heterocycla var pubescens, resp.

L11 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:513550 CAPLUS
DOCUMENT NUMBER: 141:76694
TITLE: A composition containing triterpenoid saponins extracted from bamboo, and the preparation method and use thereof
INVENTOR(S): Zhang, Ying; Wu, Xiaoqin; Yu, Zhuoyu; Zhu, Yunlong; Chen, Lingen; Luo, Shenggen
PATENT ASSIGNEE(S): Zhejiang University (Hangzhou) Leaf Bio-Technology Co., Ltd., Peop. Rep. China; Shanghai Yunteng Plant-Extract Science and Technology Development Co., Ltd.
SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052383	A1	20040624	WO 2003-CN309	20030428
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CN 1506373	A	20040623	CN 2002-154401	20021210
AU 2003231499	A1	20040630	AU 2003-231499	20030428
EP 1576958	A1	20050921	EP 2003-724792	20030428
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006512330	T	20060413	JP 2004-557744	20030428
US 2006148733	A1	20060706	US 2005-538463	20051123

PRIORITY APPLN. INFO.: CN 2002-154401 A 20021210
WO 2003-CN309 W 20030428

AB The present invention relates to an composition containing triterpenoid saponins extracted from Bamboo, and the preparation method and use thereof. The triterpenoid saponins are extracted from various parts of bamboo belonging to Gramineae, such as Bamboo Shavings and the like, using supercrit. CO2 fluid extraction technol. The content of triterpenoid saponins in the composition is 10-90%. The contents of friedelin and lupenone are 5-35% and 1-10% resp. The extract has good anti-free radical, anti-oxidation, antitumor, hypotensive activities and the like. The extract of the present invention can be useful as therapeutic drugs or functional foods for the treatment or prevention of cardiovascular and cerebral vascular diseases, as well as for the treatment of tumor, and useful in cosmetic field.

L11 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1970:705 CAPLUS
DOCUMENT NUMBER: 72:705
TITLE: New Zealand phytochemical survey. VII. Constituents of some dicotyledons
AUTHOR(S): Cambie, Richard C.; Parnell, J. C.
CORPORATE SOURCE: Univ. Auckland, Auckland, N. Z.
SOURCE: New Zealand Journal of Science (1969), 12(3), 453-66

CODEN: NZJSAB; ISSN: 0028-8365
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The leaves of Olearia paniculata were found to contain the triterpenes, friedelin, lupenone, and lupenyl acetate, and a small amount of a triterpene diol, tentatively identified as sophoradiol. Friedelin was also isolated from the roots of O. paniculata, while epifriedelinol, lupeol, lupenyl acetate and β-sitosterol were provisionally identified in the exts. by thin-layer chromatog. (TLC). The wood of Corokia buddleioides was found to contain taraxerol and β-si tosterol. Two further triterpenes isolated were identified as lupeol and lupenyl acetate. Lupeol was also the major triterpene isolated from the aerial portions of Gaultheria paniculata while β-sitosterol was also isolated from the extract Friedelin, β-sitosterol, and ellagic acid were isolated from the wood of Elaeocarpus hookerianus. An extract of the wood of Planchonella novo-zelandica contained lupeol, α-a myrin, α-amyrinyl acetate, α-spinasterol, stigmasterol, and campestero l. The wood of Homalanthus polyandrus contained a small amount of an unidentified triterpene ketone, C30H48O, isomeric with and similar to taraxerone and lupenone, but differing in its behavior on TLC. β-Sitosterol was also isolated from the extract The leaves of Alseuosmia macrophylla contained lupeol, lupenyl acetate, and stigmasterol as principal constituents of a mixture of aliphatic acids and stearic acid. They also contained at least 3 triterpene acetates which have not been characterized. β-Sitosterol and traces of unidentified triterpenes were isolated from an ether extract of the wood of Nothofagus solandri. Large amts. of D-mannitol were obtained from the wood of Myoporum laetum. Alkaloids were present in the leaves and β-sitosterol was identified in the wood and bark. D-Mannitol was the major compound isolated from the wood of Hebe salicifolia. β-Sitosterol was the only compound readily identified in exts. of wood of Aciphylla colensoi, the aerial parts of Clematis hookeriana, and the wood of Senecio elaeagnifolius. β-Sitosterol and leucoanthocyanidin were the only extractives identified in the wood of Knightia excelsa. Stigmasterol and β-sitosterol were the principal sterols found in the bar k and wood of Pseudopanax crassifolium. Mixts. of stigmasterol and β-sitosterol were also found in the leaves a nd wood of the related species Neopanax laetum and the woods of N. arbor eum, N. colensoi, N. simplex, and N. simplex var sinclaïrii. The principal constituent of a mixture of aliphatic alcs. in the leaves of n. laetum was identified as triacontan-1-ol. The barks of Pittosporum colensoi and P. eugenioides also contained stig masterol and β-sitosterol.

L11 ANSWER 3 OF 4 MEDLINE on STN
ACCESSION NUMBER: 2001068765 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10923844
TITLE: A novel agarofuran sesquiterpene, celahin D from Celastrus hindsii Benth.
AUTHOR: Huang H C; Shen C C; Chen C F; Wu Y C; Ku Y H
CORPORATE SOURCE: Graduate Institute of Natural Products, Kaohsiung Medical College, Taiwan, ROC.
SOURCE: Chemical & pharmaceutical bulletin, (2000 Jul) Vol. 48, No. 7, pp. 1079-80.
Journal code: 0377775. ISSN: 0009-2363.
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200101
ENTRY DATE: Entered STN: 22 Mar 2001
Last Updated on STN: 22 Mar 2001
Entered Medline: 4 Jan 2001

AB A novel agarofuran sesquiterpene polyol ester, 1beta,2beta,6alpha,15beta-tetracetoxy-8 beta,9alpha-dibenzoyloxy-beta- dihydroagarofuran (celahin D)

(1), two known analogues of 1,1beta-acetoxy-8beta,9alpha-dibenzoyloxy-4alpha6alpha-dihydroxy-2beta(alphamethylbutanoyloxy)-beta-++ +dihydroagarofuran (2) and beta-acetoxy-8beta,9alpha-dibenzoyloxy-6alpha-hy droxy-2beta(alpha -methylbutanoyloxy)-beta-dihydroagarofuran (3), and a known cytotoxic sesquiterpene pyridine alkaloid, emarginatine E (4) were isolated from the stems of Celastrus hindsii Benth. Three known triterpenes, loranthol (5), lupenone (6) and friedelinol (7) were also obtained from the titled plant. Structural elucidation of compound 1 was established by 2D NMR spectra.

L11 ANSWER 4 OF 4 MEDLINE on STN
ACCESSION NUMBER: 2000113513 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10647216
TITLE: Pentacyclic triterpenes from Chuquiraga ulicina.
AUTHOR: Flagg M L; Valcic S; Montenegro G; Gomez M; Timmermann B N
CORPORATE SOURCE: Department of Pharmaceutical Sciences, College of Pharmacy, University of Arizona, Tucson 85721, USA.
CONTRACT NUMBER: ES06694 (NIEHS)
T37TW00036 (FIC)
U01 TW00316-06 (FIC)
SOURCE: Phytochemistry, (1999 Dec) Vol. 52, No. 7, pp. 1345-50. Journal code: 0151434. ISSN: 0031-9422.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200002
ENTRY DATE: Entered STN: 9 Mar 2000
Last Updated on STN: 9 Mar 2000
Entered Medline: 23 Feb 2000

AB Four taraxastane triterpenes, 3 beta-acetoxy-6 beta-hydroxytaraxasta-20-ene, 6 beta-hydroxytaraxasta-20-en-3-one, 6 beta-hydroxytaraxasta-20-ene 3 beta-palmitate and 3 beta,6 beta-dihydroxytaraxasta-20-ene were isolated from the dichloromethane-methanol extract of Chuquiraga ulicina ssp. ulicina together with the known triterpenes lupeol, lupenyl acetate, lupenone, friedelinol, 3 beta-acetoxy-30-nor-lupan-20-one, and 30-nor-lupan-3 beta-ol-20-one.

L26 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:552246 CAPLUS
DOCUMENT NUMBER: 83:152246
TITLE: Triterpenoids and the related compounds from gramineae plants. X
AUTHOR(S): Ohmoto, Taichi; Uzawa, Sumiko; Tanaka, Ryuji
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Shoyakugaku Zasshi (1974), 28(1), 1-6
CODEN: SHZAAY; ISSN: 0037-4377
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
GI For diagram(s), see printed CA Issue.
AB Fourteen triterpenoids and related compds. were isolated from Arundinarieae and identified to be β-amyrin (I) [559-70-6], fernenol [4966-00-1], fernenone [6090-29-5], arundoin [4555-56-0], cylindrin [17904-55-1], epifriedelinol [16844-71-6], friedelin [559-74-0], germanicol [465-02-1], miliacin [5945-45-9], glutinol [545-24-4], glutinone [508-09-8], lupeol [545-47-1], lupenone [1617-70-5] and taraxerol [127-22-0].

L26 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1969:488461 CAPLUS
DOCUMENT NUMBER: 71:88461
TITLE: Triterpenoids and related compounds from gramineae plants. V
AUTHOR(S): Ohmoto, Taichi
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Yakugaku Zasshi (1969), 89(6), 814-20
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB Triterpenoids in Paspalum dilatatum, Hemarthrica sibirica, Miscanthus sacchariflorus, M. sinensis, Saccharum spontaneum var arenicola, Coix lacryma-jobi, and Zea mays were examined from a chemotaxonomic point of view. Lupeol Me ether, m. 250-1°, [α]D23 35.6° (CHCl3) was isolated from culms and leaves of P. dilatatum and identified with a specimen prepared by methylation of lupeol. Other constituents were β-amyrin, its Me ether, α-amyrin Me ether, campesterol, crusgallin, cylindrin, ferneol, friedelin, glutinol, glutinone, isoarborinol, lupeol, miliacin, β-sitosterol, stigmasterol, and taraxerol. Triterpenoids of Zoysia matrella were reinvestigated and fernenone, m. 206-7°, [α]D23 -39.4°, and 12-ketoarundoin, m. 291°, [α]D23 -5.2°, were identified for the first time from natural sources. Arundoin and lupenone were obtained from Cynodon dactylon and Phyllostachys heterocycla var pubescens, resp.

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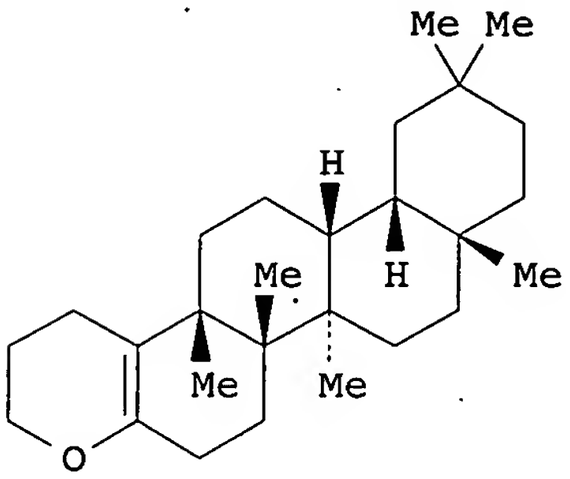
L27 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:450410 CAPLUS
DOCUMENT NUMBER: 127:188193
TITLE: Gracilipene: a heterocyclic seco-trisnor-oleanane from Calophyllum gracilipes (Guttiferae)
AUTHOR(S): Cao, Shu-Geng; Sim, Keng-Yeow; Goh, Swee-Hock; Xue, Feng; Mak, Thomas C. W.
CORPORATE SOURCE: Department Chemistry, National University Singapore, 119260, Singapore
SOURCE: Tetrahedron Letters (1997), 38(27), 4783-4786
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB Gracilipene (I), a novel heterocyclic trisnor-triterpene from the leaves of Calophyllum gracilipes, shows an unprecedented rearranged seco-trisnor-oleanane structure with a dihydropyran ring-A, a determined by NMR spectra and single crystal X-ray anal. Other known triterpenes isolated include friedelin, lupeol, lupenone, β-sitosterol, stigmasterol, 3β-hydroxy-30-norlupan-20-one, lupane-3β,20-diol, (20R)-3β-hydroxylupan-29-oic acid, betulinic acid and squalene.
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:453161 CAPLUS
DOCUMENT NUMBER: 122:235234
TITLE: Isolation of constituents from the leaves of Syzygium tripinnatum
AUTHOR(S): Tsai, Ian-Lih; Sheen, Wine-Show; Chen, Jih-Jung; Chen, Ih-Sheng
CORPORATE SOURCE: School of Pharmacy, Kaohsiung Medical College, Kaohsiung, Taiwan
SOURCE: Chinese Pharmaceutical Journal (Taipei, Taiwan) (1994), 46(5), 401-12
CODEN: CPHJEP; ISSN: 1016-1015
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Six triterpenoids (friedelin, lupenone, lupeol, lupenyl palmitate, obtusalin and cycloartenyl stearate) and 3 steroids (stigmast-4-en-3-one, β-sitosterol and β-sitosteryl stearate) were isolated from the CHCl3 soluble fraction of the leaves of S. tripinnatum. The structures of these compds. were verified by chemical and spectroscopic methods.

L27 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:184598 CAPLUS
DOCUMENT NUMBER: 122:76535
TITLE: Foliar lipids. III. Triterpenic ketones.
AUTHOR(S): Debal, A.; Mallet, J.-F.; Ucciani, E.; Doumenq, P.; Gamisans, J.
CORPORATE SOURCE: Faculte des Sciences et Techniques, Marseille, 13397, Fr.
SOURCE: Revue Francaise des Corps Gras (1994), 41(5-6), 113-18
CODEN: RFCGAE; ISSN: 0035-3000
DOCUMENT TYPE: Journal
LANGUAGE: French
AB Hexane exts. of plant leaves (HEPL) of 16 species have been investigated for their triterpenic ketone content. Five pentacyclic ketones have been identified by GC/IR-FT and GC-MS, i.e. arborinone, taraxerone, lupenone, friedelin and β-amyrenone. A sixth one could not be identified. Two species represented interesting sources: Ruscus aculeatus (12.5% lupenone/HEPL) and Senecio bicolor (8.1 % β-amyrinone/HEPL).

L27 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:442514 CAPLUS
DOCUMENT NUMBER: 121:42514
TITLE: Chemical components of of Daguoyoumateng (Mucuna macrocarpa)
AUTHOR(S): Hu, Wangyun; Luo, Shide; Cai, Jianxun
CORPORATE SOURCE: Kunming Inst. Bot., Chin. Acad. Sci., Kunming, 650223, Peop. Rep. China
SOURCE: Zhongcaoyao (1994), 25(2), 59-60,63
CODEN: CTYAD8; ISSN: 0253-2670
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
AB Lupenone, friedelin, Δ5,22-stigmastadien-3β-ol, 2,3-dihydroxypropyl tetracosanoate, 2,3-dihydroxypropyl pentacosanoate, and 2,3-dihydroxypropyl hexacosanoate were isolated from Daguoyoumateng (Mucuna macrocarpa stem) and identified by chemical and spectrochem. methods. 2,3-Dihydroxypropyl pentacosanoate was a novel comod.

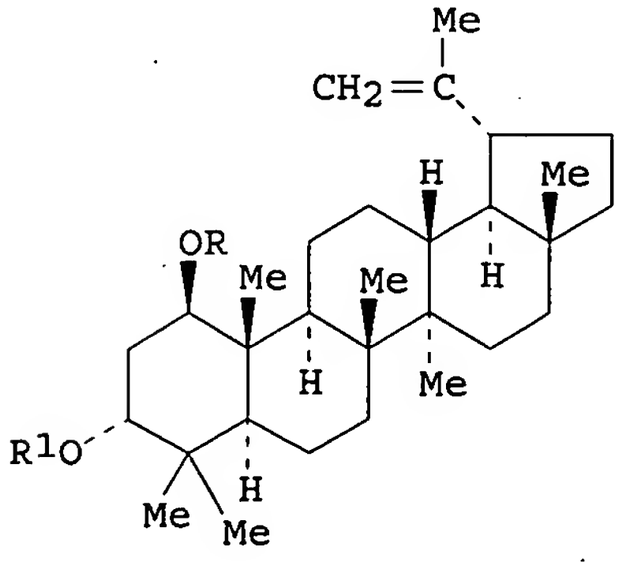
L27 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:240087 CAPLUS
DOCUMENT NUMBER: 120:240087
TITLE: Constituents of Clusia fluminensis
AUTHOR(S): Nagem, Tanus J.; Mesquita, Antonio A. L.; Silva, Rosalice
CORPORATE SOURCE: Dep. Chem., Univ. Minas Gerais, Belo Horizonte, 30161, Brazil
SOURCE: Fitoterapia (1993), 64, 380
CODEN: FTRPAE; ISSN: 0367-326X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The leaves of Clusia fluminensis yielded tricosane, lupenone, friedelin, α- and β- friedelinol, amyrin, octacosanol, and β-sitosterol.

L27 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:155281 CAPLUS
DOCUMENT NUMBER: 112:155281
TITLE: The constituents from petroleum ether fraction of the stem bark of Premna fulva Craib
AUTHOR(S): Zeng, Quan; Liu, Chengji; Liu, Ligen
CORPORATE SOURCE: Dep. Tradit. Chin. Med., China Pharm. Univ., Nanjing, Peop. Rep. China
SOURCE: Zhongguo Yaoke Daxue Xuebao (1989), 20(2), 94-6

CODEN: ZHYXE9; ISSN: 1000-5048
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
AB The following compds. were isolated in crystal form from the petroleum ether fraction from P. fulva stem bark: friedelin, friedelan-3β-ol, β-sitosterol, and lupen-3-one. The compds. were identified by chemical and spectroscopic anal. Lupene-3-one was isolated and identified from the Premma genus (Verbenaceae) for the first time.

L27 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1980:181424 CAPLUS
DOCUMENT NUMBER: 92:181424
TITLE: Photochemical or photomimetic fossil triterpenoids in sediments and petroleum
AUTHOR(S): Corbet, B.; Albrecht, P.; Ourisson, G.
CORPORATE SOURCE: Inst. Chim., Univ. Louis Pasteur, Strasbourg, 67 008, Fr.
SOURCE: Journal of the American Chemical Society (1980), 102(3), 1171-3
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Eighteen fossil triterpneoids, including friedelin, α- and β-amyrenone, lupenone, lupanone and related ring-opened derivs., were isolated from the sediments in the delta of the Mahakam river (Indonesia) and some photochem. mechanisms were postulated for their formation.

L27 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:117763 CAPLUS
DOCUMENT NUMBER: 88:117763
TITLE: An examination of the Euphorbiacace of Hong Kong. Part 16. Triterpenoids from Glochidion macrophyllum and G. puberum
AUTHOR(S): Hui, Wai-Haan; Li, Man-Moon
CORPORATE SOURCE: Dep. Chem., Univ. Hong Kong, Hong Kong, Hong Kong
SOURCE: Phytochemistry (Elsevier) (1978), 17(1), 156-7
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



IV, R=H, R1=Ac
V, R=Ac, R1=H

AB G. macrophyllum yielded Me betulinate and glochilocudiol. G. puberum leaves yielded friedelin (I), friedelan-3β-ol (II), lupeol, lup-20(29)-ene-1,3-dione, and sitosterol (III), and the stems I, II, III, lupenone, glochidone, lup-20(29)-en-1β-ol-3α-yl acetate (IV), lup-20(29)-en-3α-ol-1β-yl acetate (V), glochidonol,

glochidiol, and lup-20(29)-ene-1β,3β-diol.

L27 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:117668 CAPLUS
DOCUMENT NUMBER: 86:117668
TITLE: Chemical constituents of the flowers and leaves of Notonia grandiflora
AUTHOR(S): Kotaiah, Y.; Lakshmi, N. K. M.; Rao, E. Venkata; Rao, D. Venkata
CORPORATE SOURCE: Dep. Pharm. Sci., Andhra Univ., Waltair, India
SOURCE: Indian Journal of Pharmacy (1976), 38(5), 130-1
CODEN: IJPAAO; ISSN: 0019-5472
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Two flavonoids were isolated from the flowers of N. grandiflora and identified as kaempferitrin and kaempferol 7-O-rhamnoside. Friedelin and lupenone were isolated from the leaves.

L27 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:544551 CAPLUS
DOCUMENT NUMBER: 83:144551
TITLE: Indian medicinal plants. XXXIV. Triterpenes from Grewia asiatica
AUTHOR(S): Chattopadhyay, Subhagata; Pakrashi, S. C.
CORPORATE SOURCE: Dep. Med. Chem., Indian Inst. Exp. Med., Calcutta, India
SOURCE: Journal of the Indian Chemical Society (1975), 52(6), 553
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The stem-bark of G. asiatica was successively extracted in a Soxhlet apparatus with petroleum ether, C6H6, and CH2Cl2. From the petroleum ether extract was isolated lupeol and betulin. From the petroleum ether and C6H6 extract was isolated lupenone and friedelin. The compds. were identified by phys. and chemical properties.

L27 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:455701 CAPLUS
DOCUMENT NUMBER: 83:55701
TITLE: Triterpenoids from ten Lithocarpus species of Hong Kong
AUTHOR(S): Hui, Wai-Haan; Ko, Phyllis D. S.; Lee, Yuk-Chun; Li, Man-Moon; Arthur, Henry R.
CORPORATE SOURCE: Dep. Chem., Univ. Hong Kong, Hong Kong, Hong Kong
SOURCE: Phytochemistry (Elsevier) (1975), 14(4), 1063-6
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
AB From the petrol exts. of the leaves and stems of 10 Lithocarpus species (L. attenuata, L. cornea, L. elizabethae, L. glabra, L. haipinii, L. hancei, L. harlandi, L. irwinii, L. litchioides, and L. polystachya) of the Fagaceae family, were isolated 23 different triterpenoids, and sitosterol and stigmasterol. Of the triterpenoids, 11 belonged to the oleanane and rearranged oleanane group [β-amyrin, friedelin , friedelan-3β-ol, glutinol, taraxerone, taraxerol, and its acetate, canophyllol (28-hydroxyfriedelan-3-one), friedelan-2,3-dione (3-hydroxyfriedel-3-en-2-one), pachysandiol A (2α,3β-dihydroxyfriedelane) and a new compound lithocarpic lactone C30H5002]. Four compds. were from the lupane and rearranged lupane group (lupenone , lupeol, betulin, and taraxasterol), 2 from the hopane group (22-hydroxyhopan-3-one and 3β,22-dihydroxyhopane), and 6 were probably new compds.

L27 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:175161 CAPLUS
DOCUMENT NUMBER: 82:175161
TITLE: Chemical components of Avicennia officinalis
AUTHOR(S): Subramanian, S. Sankara; Vedantham, T. N. C.
CORPORATE SOURCE: Dep. Chem., Jawaharlal Inst. Postgrad. Med. Educ. Res., Pondicherry, India
SOURCE: Indian Journal of Pharmacy (1974), 36(4), 105-6
CODEN: IJPAAO; ISSN: 0019-5472
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The aerial parts of A. officinalis were extracted with CHCl3 followed by 80% EtOH. Chromatog. of the extract on neutral alumina and elution with light petroleum yielded lupenone [1617-70-5], m. 165-6°, identified by comparison with an authentic sample. Light petroleum-benzene (9:1) fractions gave friedelin [559-74-0], m. 257-9°. Further elution with 1:1 light petroleum-benzene yielded lupeol [545-47-1],m. 208-10° and β-sitoserol [83-46-5], m. 132-3°. Elution with 98:2 CHCl3-MeOH gave betulinic acid [472-15-1], m. > 280°, identified as the Me ester m. 220-1°, acetate m. > 280°, and Me ester acetate m. 198-200°; and ursolic acid [77-52-1], m. > 280°, identified by preparation of its Me ester and Me ester acetate.

L27 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1973:1995 CAPLUS
DOCUMENT NUMBER: 78:1995
TITLE: Constituents of pollen. 1. Constituents of Quercus acutissima. 1
AUTHOR(S): Ohmoto, Taichi; Nikaido, Tamotsu; Ikuse, Masa
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Shoyakugaku Zasshi (1972), 26(1), 36-40
CODEN: SHZAAY; ISSN: 0037-4377
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB Pollen of Q. actissima was crushed ultrasonically and its constituents were studied. Stearic, palmitic, and oleic acids; friedelin; β-amyrenone; lupenone; β-sitosterol; campesterol; glycerin; and araban were identified. Eighteen amino acids and citric, malonic, and malic acids were determined

L27 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1972:458778 CAPLUS
DOCUMENT NUMBER: 77:58778
TITLE: Chemistry of Brazilian Guttiferae. XXVIII. Xanthones from Caraipa densiflora
AUTHOR(S): Alves De Lima, R.; Gottlieb, O. R.; Mesquita, A. A. Lins
CORPORATE SOURCE: Esc. Pos-Graduacao, Univ. Fed. Rural Rio de Janeiro, Rio de Janeiro, Brazil
SOURCE: Phytochemistry (Elsevier) (1972), 11(7), 2307-9
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The trunk wood of C. grandifolia contains sitosterol, lupeol, lupenone, betulinic acid, and vanillin. The trunk wood of C. densiflora contains sitosterol, lupeol, friedelin, betulinic acid, vanillin, 1,6-dihydroxy-7,8-methylene-dioxyxanthone, and 1,5-dihydroxy-6,7-dimethoxyxanthone.

L27 ANSWER 26 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1969:481570 CAPLUS
DOCUMENT NUMBER: 71:81570

TITLE: Examination of the Euphorbiaceae of Hong Kong. VI. Isolation and structure of glochidonol, a new triterpene ketol from Glochidion wrightii
AUTHOR(S): Hui, Wai Haan; Fung, M. L.
CORPORATE SOURCE: Univ. Hong Kong, Hong Kong
SOURCE: Journal of the Chemical Society [Section] C: Organic (1969), (13), 1710-12
CODEN: JSOOAX; ISSN: 0022-4952
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Glochidonol, isolated from the stems of G. wrightii was shown to be 1β-hydroxylup-20(29)-en-3-one (I) by chemical and N.M.R. spectroscopic evidence. The mass spectrum of glochidonyl acetate is discussed. Other compds. obtained from both the leaves and stems of the same plant are friedelin, glochidone, friedelan-3β-ol, β-sitosterol, and glochidiol. Lupenone and lupeol are also found in the stems.

L27 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1968:47008 CAPLUS
DOCUMENT NUMBER: 68:47008
TITLE: Triterpenes from some New Zealand dicotyledons
AUTHOR(S): Briggs, Lindsay H.; Cambie, Richard C.; Couch, R. A. F.
CORPORATE SOURCE: Univ. Auckland, Auckland, N. Z.
SOURCE: New Zealand Journal of Science (1967), 10(4), 1076-82
CODEN: NZJSAB; ISSN: 0028-8365
DOCUMENT TYPE: Journal
LANGUAGE: English
AB This detailed study of New Zealand dicotyledons was made to isolate and identify the triterpenes which occur in them. In all cases, these were isolated by chromatog. of ether-soluble fractions on alumina for neutral compounds or on silica gel for acids. Identification of the compds. was made by direct comparison with authentic samples or by conversion to derivs. Friedelin, epifriedinol, and β-sitosterol were identified in the bark of Alectryon excelsum; lupenone, lupeol, and lupenyl acetate in the leaves and tataxerol, teraxeryl acetate, and taraxerone in the bark of Dracophyllum recurvum; lupeol in the bark of Carpodetus serratus; taraxerol and β-sitosterol in the wood of Corokia buddleioides; ursolic acid in the leaves of Ixerba brexioides; and β-sitosterol and a leucoanthocyanin in the bark of Knightia excelsa.

L27 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:450410 CAPLUS
DOCUMENT NUMBER: 127:188193
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AUTHOR(S): Cao, Shu-Geng; Sim, Keng-Yeow; Goh, Swee-Hock; Xue, Feng; Mak, Thomas C. W.
CORPORATE SOURCE: Department Chemistry, National University Singapore, 119260, Singapore
SOURCE: Tetrahedron Letters (1997), 38(27), 4783-4786
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
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LANGUAGE: English
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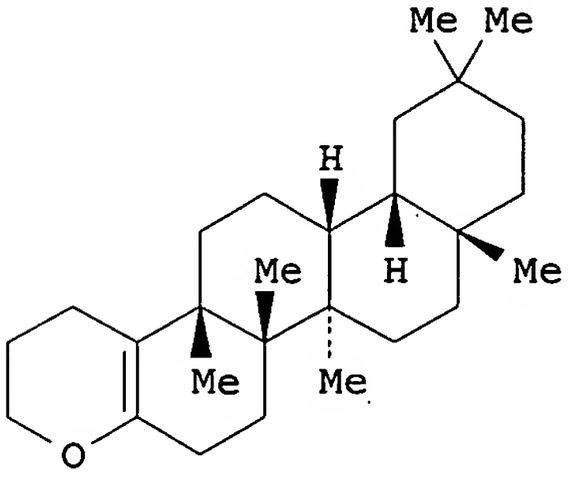

I

AB Gracilipene (I), a novel heterocyclic trisnor-triterpene from the leaves of Calophyllum gracilipes, shows an unprecedented rearranged seco-trisnor-oleanane structure with a dihydropyran ring-A, a determined by NMR spectra and single crystal X-ray anal. Other known triterpenes isolated include friedelin, lupeol, lupenone, β-sitosterol, stigmasterol, 3β-hydroxy-30-norlupan-20-one, lupane-3β,20-diol, (20R)-3β-hydroxylupan-29-oic acid, betulinic acid and squalene.
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:453161 CAPLUS
DOCUMENT NUMBER: 122:235234
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AUTHOR(S): Tsai, Ian-Lih; Sheen, Wine-Show; Chen, Jih-Jung; Chen, Ih-Sheng
CORPORATE SOURCE: School of Pharmacy, Kaohsiung Medical College, Kaohsiung, Taiwan
SOURCE: Chinese Pharmaceutical Journal (Taipei, Taiwan) (1994), 46(5), 401-12
CODEN: CPHJEP; ISSN: 1016-1015
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Six triterpenoids (friedelin, lupenone, lupeol, lupenyl palmitate, obtusalin and cycloartenyl stearate) and 3 steroids (stigmast-4-en-3-one, β-sitosterol and β-sitosteryl stearate) were isolated from the CHCl3 soluble fraction of the leaves of S. tripinnatum. The structures of these compds. were verified by chemical and spectroscopic methods.

L27 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
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DOCUMENT NUMBER: 122:76535
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AUTHOR(S): Debal, A.; Mallet, J.-F.; Ucciani, E.; Doumenq, P.; Gamisans, J.
CORPORATE SOURCE: Faculte des Sciences et Techniques, Marseille, 13397, Fr.
SOURCE: Revue Francaise des Corps Gras (1994), 41(5-6), 113-18
CODEN: RFCGAE; ISSN: 0035-3000
DOCUMENT TYPE: Journal
LANGUAGE: French
AB Hexane exts. of plant leaves (HEPL) of 16 species have been investigated for their triterpenic ketone content. Five pentacyclic ketones have been identified by GC/IR-FT and GC-MS, i.e. arborinone, taraxerone, lupenone, friedelin and β-amyrenone. A sixth one could not be identified. Two species represented interesting sources: Ruscus aculeatus (12.5% lupenone/HEPL) and Senecio bicolor (8.1 % β-amyrinone/HEPL).

L27 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:442514 CAPLUS
DOCUMENT NUMBER: 121:42514
TITLE: Chemical components of of Daguoyoumateng (Mucuna macrocarpa)
AUTHOR(S): Hu, Wangyun; Luo, Shide; Cai, Jianxun
CORPORATE SOURCE: Kunming Inst. Bot., Chin. Acad. Sci., Kunming, 650223, Peop. Rep. China
SOURCE: Zhongcaoyao (1994), 25(2), 59-60,63
CODEN: CTYAD8; ISSN: 0253-2670
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
AB Lupenone, friedelin, Δ5,22-stigmastadien-3β-ol, 2,3-dihydroxypropyl tetracosanoate, 2,3-dihydroxypropyl pentacosanoate, and 2,3-dihydroxypropyl hexacosanoate were isolated from Daguoyoumateng (Mucuna macrocarpa stem) and identified by chemical and spectrochem. methods. 2,3-Dihydroxypropyl pentacosanoate was a novel comod.

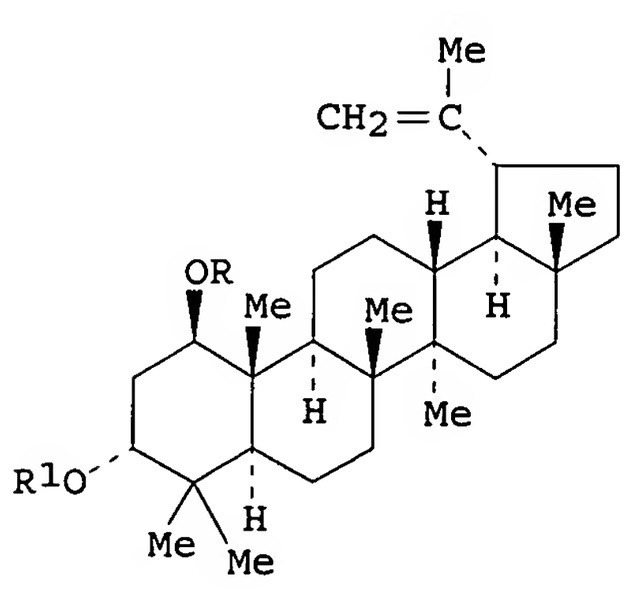
L27 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:240087 CAPLUS
DOCUMENT NUMBER: 120:240087
TITLE: Constituents of Clusia fluminensis
AUTHOR(S): Nagem, Tanus J.; Mesquita, Antonio A. L.; Silva, Rosalice
CORPORATE SOURCE: Dep. Chem., Univ. Minas Gerais, Belo Horizonte, 30161, Brazil
SOURCE: Fitoterapia (1993), 64, 380
CODEN: FTRPAE; ISSN: 0367-326X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The leaves of Clusia fluminensis yielded tricosane, lupenone, friedelin, α- and β- friedelinol, amyrin, octacosanol, and β-sitosterol.

L27 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:155281 CAPLUS
DOCUMENT NUMBER: 112:155281
TITLE: The constituents from petroleum ether fraction of the stem bark of Premna fulva Craib
AUTHOR(S): Zeng, Quan; Liu, Chengji; Liu, Ligen
CORPORATE SOURCE: Dep. Tradit. Chin. Med., China Pharm. Univ., Nanjing, Peop. Rep. China
SOURCE: Zhongguo Yaoke Daxue Xuebao (1989), 20(2), 94-6

CODEN: ZHYXE9; ISSN: 1000-5048
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
AB The following compds. were isolated in crystal form from the petroleum ether fraction from P. fulva stem bark: friedelin, friedelan-3β-ol, β-sitosterol, and lupen-3-one. The compds. were identified by chemical and spectroscopic anal. Lupene-3-one was isolated and identified from the Premma genus (Verbenaceae) for the first time.

L27 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1980:181424 CAPLUS
DOCUMENT NUMBER: 92:181424
TITLE: Photochemical or photomimetic fossil triterpenoids in sediments and petroleum
AUTHOR(S): Corbet, B.; Albrecht, P.; Ourisson, G.
CORPORATE SOURCE: Inst. Chim., Univ. Louis Pasteur, Strasbourg, 67 008, Fr.
SOURCE: Journal of the American Chemical Society (1980), 102(3), 1171-3
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Eighteen fossil triterpneoids, including friedelin, α- and β-amyrenone, lupenone, lupanone and related ring-opened derivs., were isolated from the sediments in the delta of the Mahakam river (Indonesia) and some photochem. mechanisms were postulated for their formation.

L27 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:117763 CAPLUS
DOCUMENT NUMBER: 88:117763
TITLE: An examination of the Euphorbiacace of Hong Kong. Part 16. Triterpenoids from Glochidion macrophyllum and G. puberum
AUTHOR(S): Hui, Wai-Haan; Li, Man-Moon
CORPORATE SOURCE: Dep. Chem., Univ. Hong Kong, Hong Kong, Hong Kong
SOURCE: Phytochemistry (Elsevier) (1978), 17(1), 156-7
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



IV, R=H, R^1=Ac
V, R=Ac, R^1=H

AB G. macrophyllum yielded Me betulinate and glochilocudiol. G. puberum leaves yielded friedelin (I), friedelan-3β-ol (II), lupeol, lup-20(29)-ene-1,3-dione, and sitosterol (III), and the stems I, II, III, lupenone, glochidone, lup-20(29)-en-1β-ol-3α-yl acetate (IV), lup-20(29)-en-3α-ol-1β-yl acetate (V), glochidonol,

glochidiol, and lup-20(29)-ene-1β,3β-diol.

L27 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:117668 CAPLUS
DOCUMENT NUMBER: 86:117668
TITLE: Chemical constituents of the flowers and leaves of Notonia grandiflora
AUTHOR(S): Kotaiah, Y.; Lakshmi, N. K. M.; Rao, E. Venkata; Rao, D. Venkata
CORPORATE SOURCE: Dep. Pharm. Sci., Andhra Univ., Waltair, India
SOURCE: Indian Journal of Pharmacy (1976), 38(5), 130-1
CODEN: IJPAAO; ISSN: 0019-5472
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Two flavonoids were isolated from the flowers of N. grandiflora and identified as kaempferitrin and kaempferol 7-O-rhamnoside. Friedelin and lupenone were isolated from the leaves.

L27 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:544551 CAPLUS
DOCUMENT NUMBER: 83:144551
TITLE: Indian medicinal plants. XXXIV. Triterpenes from Grewia asiatica
AUTHOR(S): Chattopadhyay, Subhagata; Pakrashi, S. C.
CORPORATE SOURCE: Dep. Med. Chem., Indian Inst. Exp. Med., Calcutta, India
SOURCE: Journal of the Indian Chemical Society (1975), 52(6), 553
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The stem-bark of G. asiatica was successively extracted in a Soxhlet apparatus with petroleum ether, C6H6, and CH2Cl2. From the petroleum ether extract was isolated lupeol and betulin. From the petroleum ether and C6H6 extract was isolated lupenone and friedelin. The compds. were identified by phys. and chemical properties.

L27 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:455701 CAPLUS
DOCUMENT NUMBER: 83:55701
TITLE: Triterpenoids from ten Lithocarpus species of Hong Kong
AUTHOR(S): Hui, Wai-Haan; Ko, Phyllis D. S.; Lee, Yuk-Chun; Li, Man-Moon; Arthur, Henry R.
CORPORATE SOURCE: Dep. Chem., Univ. Hong Kong, Hong Kong, Hong Kong
SOURCE: Phytochemistry (Elsevier) (1975), 14(4), 1063-6
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
AB From the petrol exts. of the leaves and stems of 10 Lithocarpus species (L. attenuata, L. cornea, L. elizabethae, L. glabra, L. haipinii, L. hancei, L. harlandi, L. irwinii, L. litchioides, and L. polystachya) of the Fagaceae family, were isolated 23 different triterpenoids, and sitosterol and stigmasterol. Of the triterpenoids, 11 belonged to the oleanane and rearranged oleanane group [β-amyrin, friedelin , friedelan-3β-ol, glutinol, taraxerone, taraxerol, and its acetate, canophyllol (28-hydroxyfriedelan-3-one), friedelan-2,3-dione (3-hydroxyfriedel-3-en-2-one), pachysandiol A (2α,3β-dihydroxyfriedelane) and a new compound lithocarpic lactone C30H5002]. Four compds. were from the lupane and rearranged lupane group (lupenone , lupeol, betulin, and taraxasterol), 2 from the hopane group (22-hydroxyhopan-3-one and 3β,22-dihydroxyhopane), and 6 were probably new compds.

L27 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:175161 CAPLUS
DOCUMENT NUMBER: 82:175161
TITLE: Chemical components of Avicennia officinalis
AUTHOR(S): Subramanian, S. Sankara; Vedantham, T. N. C.
CORPORATE SOURCE: Dep. Chem., Jawaharlal Inst. Postgrad. Med. Educ. Res., Pondicherry, India
SOURCE: Indian Journal of Pharmacy (1974), 36(4), 105-6
CODEN: IJPAAO; ISSN: 0019-5472
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The aerial parts of A. officinalis were extracted with CHCl3 followed by 80% EtOH. Chromatog. of the extract on neutral alumina and elution with light petroleum yielded lupenone [1617-70-5], m. 165-6°, identified by comparison with an authentic sample. Light petroleum-benzene (9:1) fractions gave friedelin [559-74-0], m. 257-9°. Further elution with 1:1 light petroleum-benzene yielded lupeol [545-47-1],m. 208-10° and β-sitoserol [83-46-5], m. 132-3°. Elution with 98:2 CHCl3-MeOH gave betulinic acid [472-15-1], m. > 280°, identified as the Me ester m. 220-1°, acetate m. > 280°, and Me ester acetate m. 198-200°; and ursolic acid [77-52-1], m. > 280°, identified by preparation of its Me ester and Me ester acetate.

L27 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1973:1995 CAPLUS
DOCUMENT NUMBER: 78:1995
TITLE: Constituents of pollen. 1. Constituents of Quercus acutissima. 1
AUTHOR(S): Ohmoto, Taichi; Nikaido, Tamotsu; Ikuse, Masa
CORPORATE SOURCE: Fac. Pharm., Toho Univ., Funabashi, Japan
SOURCE: Shoyakugaku Zasshi (1972), 26(1), 36-40
CODEN: SHZAAY; ISSN: 0037-4377
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB Pollen of Q. actissima was crushed ultrasonically and its constituents were studied. Stearic, palmitic, and oleic acids; friedelin; β-amyrenone; lupenone; β-sitosterol; campesterol; glycerin; and araban were identified. Eighteen amino acids and citric, malonic, and malic acids were determined

L27 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1972:458778 CAPLUS
DOCUMENT NUMBER: 77:58778
TITLE: Chemistry of Brazilian Guttiferae. XXVIII. Xanthones from Caraipa densiflora
AUTHOR(S): Alves De Lima, R.; Gottlieb, O. R.; Mesquita, A. A. Lins
CORPORATE SOURCE: Esc. Pos-Graduacao, Univ. Fed. Rural Rio de Janeiro, Rio de Janeiro, Brazil
SOURCE: Phytochemistry (Elsevier) (1972), 11(7), 2307-9
CODEN: PYTCAS; ISSN: 0031-9422
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The trunk wood of C. grandifolia contains sitosterol, lupeol, lupenone, betulinic acid, and vanillin. The trunk wood of C. densiflora contains sitosterol, lupeol, friedelin, betulinic acid, vanillin, 1,6-dihydroxy-7,8-methylene-dioxyxanthone, and 1,5-dihydroxy-6,7-dimethoxyxanthone.

L27 ANSWER 26 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1969:481570 CAPLUS
DOCUMENT NUMBER: 71:81570

TITLE: Examination of the Euphorbiaceae of Hong Kong. VI. Isolation and structure of glochidonol, a new triterpene ketol from Glochidion wrightii
AUTHOR(S): Hui, Wai Haan; Fung, M. L.
CORPORATE SOURCE: Univ. Hong Kong, Hong Kong
SOURCE: Journal of the Chemical Society [Section] C: Organic (1969), (13), 1710-12
CODEN: JSOOAX; ISSN: 0022-4952
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Glochidonol, isolated from the stems of G. wrightii was shown to be 1β-hydroxylup-20(29)-en-3-one (I) by chemical and N.M.R. spectroscopic evidence. The mass spectrum of glochidonyl acetate is discussed. Other compds. obtained from both the leaves and stems of the same plant are friedelin, glochidone, friedelan-3β-ol, β-sitosterol, and glochidiol. Lupenone and lupeol are also found in the stems.

L27 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1968:47008 CAPLUS
DOCUMENT NUMBER: 68:47008
TITLE: Triterpenes from some New Zealand dicotyledons
AUTHOR(S): Briggs, Lindsay H.; Cambie, Richard C.; Couch, R. A. F.
CORPORATE SOURCE: Univ. Auckland, Auckland, N. Z.
SOURCE: New Zealand Journal of Science (1967), 10(4), 1076-82
CODEN: NZJSAB; ISSN: 0028-8365
DOCUMENT TYPE: Journal
LANGUAGE: English
AB This detailed study of New Zealand dicotyledons was made to isolate and identify the triterpenes which occur in them. In all cases, these were isolated by chromatog. of ether-soluble fractions on alumina for neutral compounds or on silica gel for acids. Identification of the compds. was made by direct comparison with authentic samples or by conversion to derivs. Friedelin, epifriedinol, and β-sitosterol were identified in the bark of Alectryon excelsum; lupenone, lupeol, and lupenyl acetate in the leaves and tataxerol, teraxeryl acetate, and taraxerone in the bark of Dracophyllum recurvum; lupeol in the bark of Carpodetus serratus; taraxerol and β-sitosterol in the wood of Corokia buddleioides; ursolic acid in the leaves of Ixerba brexioides; and β-sitosterol and a leucoanthocyanin in the bark of Knightia excelsa.

L27 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:262878 CAPLUS
DOCUMENT NUMBER: 141:363075
TITLE: Chemical constituents from Terminalia glabrescens
AUTHOR(S): Garcez, Fernanda R.; Garcez, Walmir S.; Miguel, Daniel L. S.; Serea, Alessandro A. T.; Prado, Fabiana C.
CORPORATE SOURCE: Departamento de Quimica, Centro de Ciencias Exatas e Tecnologia, Universidade Federal de Mato Grosso do Sul, Campo Grande, 79070-900, Brazil
SOURCE: Journal of the Brazilian Chemical Society (2003), 14(3), 461-465
CODEN: JOCSET; ISSN: 0103-5053
PUBLISHER: Sociedade Brasileira de Quimica
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A new oleanane-type triterpene (3β,6β,23,28-tetrahydroxyolean-12-ene) was isolated from the leaves of Terminalia glabrescens, together with ursolic, 2α-hydroxyursolic, oleanolic, maslinic, arjunolic, sumaresinolic and asiatic acids, squalene, phytol, sitosterol-3-O-β-D-glucopyranoside and n-alkanes. Friedelin, taraxerol, lupeol, lupenone, betulin, betulone, betulinic acid, arjunglucoside I, stigmastane-3β,6α-diol, β-sitosterol, (-) catechin, β-D-pyranotagatose, β-D-furanofructose and α-D-furanofructose were obtained from the trunk bark.
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

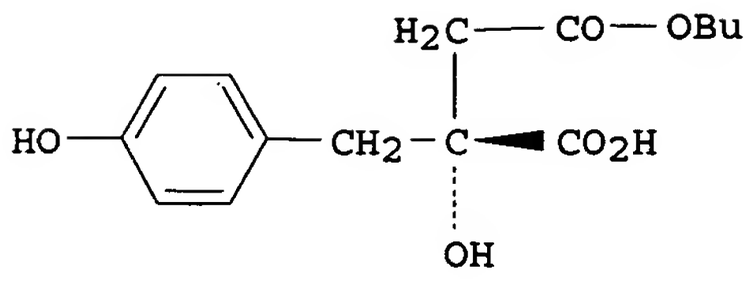
L27 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:592477 CAPLUS
DOCUMENT NUMBER: 139:304563
TITLE: Flavonoid and triterpenes from Stigmaphyllon paralias
AUTHOR(S): David, Jorge M.; Santos, Fatima A.; Guedes, Maria Lenise da S.; David, Juceni P.
CORPORATE SOURCE: Instituto de Quimica, Universidade Federal da Bahia, Salvadore-BA, 40170-290, Brazil
SOURCE: Quimica Nova (2003), 26(4), 484-487
CODEN: QUNODK; ISSN: 0100-4042
PUBLISHER: Sociedade Brasileira de Quimica
DOCUMENT TYPE: Journal
LANGUAGE: Portuguese
AB Stigmaphyllon paralias is a herb belonging to the family Malpighiaceae that occurs in sand soil of Brazilian "restinga". This is the first report regarding phytochem. study with this species. The hexane extract of the aerial parts of plant afforded the triterpenes friedelin, lupenone, 3-oxo-α-amyrin and 3-oxo-β-amyrin, the mixture of α-amyrinyl palmitate and stearate, lupeol and 3,4-seco-friedelan-3-oic acid. The AcOEt extract yielded the flavonoid luteolin-7-rutinoside. All compds. were characterized by anal. of spectrometric data and the fatty acids esterified with α-amyrin were identified by GC/MS of Me derivs. of transesterified products. This is the first natural occurrence of 3,4-seco-friedelan-3-oic acid and the 13C NMR spectral data were unequivocally assigned by two-dimensional techniques. This work also permitted to correct the 13C NMR resonances attributed to Me groups C-26 and C-27 of friedelin.
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:878092 CAPLUS
DOCUMENT NUMBER: 139:81998
TITLE: Study on constituents of latex: triterpenoids of Euphorbia tirucalli
AUTHOR(S): Fujita, Maki; Oka, Hanae; Arai, Yoko; Masuda, Kazuo;

Takano, Akihito; Shiojima, Kenji
CORPORATE SOURCE: Showa Pharmaceutical University, Machida, Tokyo, 194-8543, Japan
SOURCE: Natural Medicines (Tokyo, Japan) (2002), 56(4), 160
CODEN: NMEDEO; ISSN: 1340-3443
PUBLISHER: Japanese Society of Pharmacognosy
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The normal hexane extract of Euphorbia tirucalli was chromatographed on silica gel yielding several fractions. Parrafins from fraction 1 were mixts. of C23H48 to C31H64, while fatty acid esters from fraction 2 were esters of compound euphol and tirucallol. Three acetates of euphol, tirucallol and lupeol and two ketones, lupenone and friedelin were detected in fraction 3. Triterpenoid alcs. I, II and glutinol were identified from the alc. fraction of fraction 4.
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:512184 CAPLUS
DOCUMENT NUMBER: 137:291618
TITLE: Furocoumarins, terpenes and sterols from Esenbeckia ovata Kunth
AUTHOR(S): Rios, Maria Yolanda; Delgado, Guillermo
CORPORATE SOURCE: Centro de Investigaciones Quimicas, Universidad Autonoma del Estado de Morelos, Cuernavaca, 62210, Mex.
SOURCE: Biochemical Systematics and Ecology (2002), 30(7), 697-699
CODEN: BSECBU; ISSN: 0305-1978
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Dried leaves from Esenbeckia ovata Kunth (Rutaceae) were exhaustively extracted to provide 145 g of extract that was chromatographed over silica gel 60 using mixts. of n-hexane-Et acetate as eluent. This procedure yielded friedelin, lupenone, caryophyllene β-oxide, lupenol, β-sitosterol, bergapten, isopimpinellin, xanthotoxin, phellopterin, and cryptomeridiol. The finding of bergapten, isopimpinellin, xanthotoxin and phellopterin in E. ovata characterizes this species as being chemical in accordance with other species of Esenbeckia genus and the Rutaceae family.
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:344677 CAPLUS
DOCUMENT NUMBER: 137:166182
TITLE: Two new phenolic carboxylic acid esters from Opuntia vulgaris
AUTHOR(S): Jiang, Jianqin; Ye, Wencai; Chen, Zhen; Lou, Fengchang; Min, Zhida
CORPORATE SOURCE: Department of Phytochemistry, China Pharmaceutical University, Nanjing, 210038, Peop. Rep. China
SOURCE: Journal of Chinese Pharmaceutical Sciences (2002), 11(1), 1-3
CODEN: JCHSE4; ISSN: 1003-1057
PUBLISHER: Beijing Medical University, School of Pharmaceutical Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB Two new phenolic carboxylic acid esters Bu eucomate (e.g. I) and Me eucomate and six known compds. eucomic acid, 3-β-acetyl-taraxerol, friedelin, lupenone, Me linoleate and Me oleate were isolated from the stems of Opuntia vulgaris Mill(Cactaceae). Their structures were determined on the basis of spectral methods. All known compds. except friedelin were isolated for the first time from this plant.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:146761 CAPLUS
DOCUMENT NUMBER: 137:30534
TITLE: Sesquiterpene polyol esters and triterpenes from Celastrus punctatus
AUTHOR(S): Kuo, Yao-Haur; Li, Shyh-Yuan; Shen, Ya-Chin; Huang, Hui-Chi; Hsu, Ya-Wen; Tseng, Rong-Jeng; Ou, Jun-Chih; Chen, Chieh-Fu
CORPORATE SOURCE: National Research Institute of Chinese Medicine, Taipei, 112, Taiwan
SOURCE: Chinese Pharmaceutical Journal (Taipei, Taiwan) (2001), 53(5), 257-268
CODEN: CPHJEP; ISSN: 1016-1015
PUBLISHER: Pharmaceutical Society of Republic of China
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Five sesquiterpene polyol esters with β-dihydroagarofuran including 1β-acetoxy-8β,9α-dibenzoyloxy-6α-hydroxy-2β (α-methylbutanoyloxy)-β-dihydroagarofuran (1), 1β-acetoxy-8β,9α-dibenzoyloxy-4α,6α-dihydroxy-2β-(α-methylbutanoyloxy)-β-dihydroagarofuran (2), 1β-acetoxy-2β,8β,9α-tribenzoyloxy-6α-hydroxy-β-dihydroagarofuran (3), 1β-acetoxy-2β,8β,9α-tribenzoyloxy-4,6α-dihydroxy-β-dihydroagarofuran (4) and celahin-D (5), as well as five triterpenes including friedelin (6), lupeol (7), lupenone (8), betulin (9) and lup-20(29)-en-3β,30-diol (10) were isolated from the EtOH extract of the stems of Celastrus punctatus. The structures of compds. 1 to 10 were established on the basis of spectral anal. Biol. evaluation revealed that these compds. were not highly cytotoxic against KB, Hepa-3B, Hela and COLO-205 cancer cells.

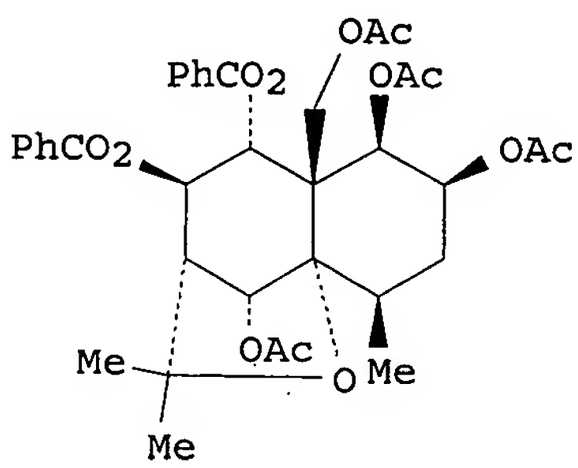
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:39190 CAPLUS
DOCUMENT NUMBER: 136:366382
TITLE: Studies on chemical constituents of Adenophora wawreana
AUTHOR(S): Zhao, Kuijun; Liu, Suolan; Yang, Jun; Li, Xiuqing; Yan, Xiaolin; Zheng, Chenggui; Tu, Pengfei; Chen, Hubiao
CORPORATE SOURCE: Department of Pharmacy, Beijing Medical College of PLA, Beijing, 100071, Peop. Rep. China

SOURCE: Zhongcaoyao (2001), 32(11), 964-966
CODEN: CTYAD8; ISSN: 0253-2670
PUBLISHER: Zhongcaoyao Zazhi Bianjibu
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

AB The chemical constituents of roots of Adenophora wawreana Zahibr. were studied. The chemical constituents were extracted and isolated systematically with solvents and silica gel chromatog. Their structures were determined by IR, 1HNMR, 13CNMR, and MS. Twelve compds. were obtained, and nine of them were identified as β-sitosteryl hexadecanoate (I), β-sitosteryl octadecanoate (II), α-amyrin acetate (III), lupeol acetate (IV), lupenone, friedelin, β-sitosterol (V), ikshusterol, and daucosterol. All of them were obtained for the first time from A. wawreana, and compds. I, II, III, IV, and V were obtained for the first time from Adenophora Fisch.

L27 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:477440 CAPLUS
DOCUMENT NUMBER: 133:220150
TITLE: A novel agarofuran sesquiterpene, celahin D from Celastrus hindsii Benth
AUTHOR(S): Huang, Hui-Chi; Shen, Chien-Chang; Chen, Chieh-Fu; Wu, Yang-Chang; Kuo, Yao-Haur
CORPORATE SOURCE: Graduate Institute of Natural Products, Kaohsiung Medical College, Kaohsiung, 807, Taiwan
SOURCE: Chemical & Pharmaceutical Bulletin (2000), 48(7), 1079-1080
CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB A novel agarofuran sesquiterpene polyol ester, 1β,2β,6α,15β-tetraacetoxy-8β,9α-dibenzoyloxy-β-dihydroagarofuran (celahin D, I), two known analogs of 1,1β-acetoxy-8β,9α-dibenzoyloxy-4α,6α-dihydroxy-2β-(α-methylbutanoyloxy)-β-dihydroagarofuran and 1β-acetoxy-8β,9α-dibenzoyloxy-6α-hydroxy-2β-(α-methylbutanoyloxy)-β-dihydroagarofuran, and a known cytotoxic sesquiterpene pyridine alkaloid, emarginatine E, were isolated from the stems of Celastrus hindsii Benth. Three known triterpenes, loranthol, lupenone and friedelinol were also obtained from the titled plant. Structural elucidation of I was established by 2D NMR spectra.
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

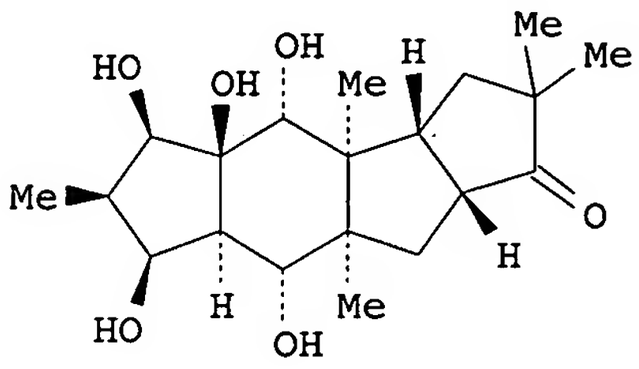
L27 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:52247 CAPLUS

DOCUMENT NUMBER: 132:248540
TITLE: Pentacyclic triterpenes from Chuquiraga ulicina
AUTHOR(S): Flagg, Melissa L.; Valcic, Susanne; Montenegro, Gloria; Gomez, Miguel; Timmermann, Barbara N.
CORPORATE SOURCE: Department of Pharmaceutical Sciences, College of Pharmacy, The University of Arizona, Tucson, AZ, 85721, USA
SOURCE: Phytochemistry (1999), 52(7), 1345-1350
CODEN: PYTCAS; ISSN: 0031-9422
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Taraxastane triterpenes, 3β-acetoxy-6β-hydroxytaraxasta-20-ene, 6β-hydroxytaraxasta-20-en-3-one, 6β-hydroxytaraxasta-20-ene 3β-palmitate and 3β,6β-dihydroxytaraxasta-20-ene, were isolated from the CH2Cl2-MeOH extract of Chuquiraga ulicina ssp. ulicina in addition to the known triterpenes lupeol, lupenyl acetate, lupenone , friedelinol, 3β-acetoxy-30-nor-lupan-20-one, and 30-nor-lupan-3β-ol-20-one.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:622986 CAPLUS
DOCUMENT NUMBER: 129:313363
TITLE: A tetracyclic diterpene and triterpenes from Euphorbia segetalis
AUTHOR(S): Ferreira, Maria-Jose U.; Madureira, Ana Margarida; Ascenso, Jose R.
CORPORATE SOURCE: Faculdade de Farmacia, Centro de Estudos e de Ciencias Farmaceuticas, Universidade de Lisboa, Lisbon, 1699, Port.
SOURCE: Phytochemistry (1998), 49(1), 179-183
CODEN: PYTCAS; ISSN: 0031-9422
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB A new tetracyclic diterpene, segetalol (I), with a novel carbon skeleton, has been isolated from the acetone extract of the whole plant of Euphorbia segetalis. Seven known compds. were also isolated: the pentacyclic triterpenes friedeline, lupenone, and glutinol, the tetracyclic triterpenes dammaradienol, cycloartenol and 24-methylenecycloartanol and β-sitosterol. The structure of the new compound and its derivs. have been extensively characterized by high-field NMR spectroscopic methods including 2D NMR techniques.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:211856 CAPLUS

DOCUMENT NUMBER: 128:274929
TITLE: Cytotoxic constituents from the fruit of Diospyros ferrea
AUTHOR(S): Kuo, Yao-Haur; Li, Shyh-Yuan; Shen, Chien-Chang; Yang, Li-Ming; Huang, Hui-Chi; Liao, Wen-Bin; Chang, Chi-I.; Kuo, Yueh-Hsiung; Chen, Chieh-Fu
CORPORATE SOURCE: Natl. Res. Inst. Chinese Med., Taipei, 11221, Taiwan
SOURCE: Chinese Pharmaceutical Journal (Taipei) (1997), 49(4), 207-216
CODEN: CPHJEP; ISSN: 1016-1015
PUBLISHER: Pharmaceutical Society of Republic of China
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Two naphthoquinones, isodiospyrin (I), and 8'-hydroxyisodiospyrin (II), 6 triterpenes, friedelin, epifriedelinol, lupeol, lupenone, betulin and lup-20(29)-en-3β,30-diol, and 2 sterols, β-sitosterol and stigmasterol, were isolated from the n-hexane extract of the fruit of D. ferrea. All of these compds. were evaluated for in vitro cytotoxicity in 4 cancer cell lines. I and II had strong cytotoxicity against Hep-3B, KB, COLO-205 and HeLa cells (ED50 = 0.17, 1.72, 0.16 and 0.21 μg/mL for I; ED50 = 1.31, 1.75, 1.96 and 1.79 μg/mL for II).

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 1 OF 1 MEDLINE on STN
ACCESSION NUMBER: 2006574794 MEDLINE
DOCUMENT NUMBER: PubMed ID: 16886233
TITLE: Anti-fatigue activity of a triterpenoid-rich extract from Chinese bamboo shavings (Caulis bamfusae in taeniam).
AUTHOR: Zhang Yu; Yao Xiaobao; Bao Bili; Zhang Ying
CORPORATE SOURCE: Department of Food Science and Nutrition, College of Biosystems Engineering and Food Science, Zhejiang University, Hangzhou 310029, Zhejiang Province, PR China.. y_zhang@zju.edu.cn
SOURCE: Phytotherapy research : PTR, (2006 Oct) Vol. 20, No. 10, pp. 872-6.
Journal code: 8904486. ISSN: 0951-418X.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE) (RESEARCH SUPPORT, NON-U.S. GOV'T)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200701
ENTRY DATE: Entered STN: 28 Sep 2006
Last Updated on STN: 4 Jan 2007
Entered Medline: 3 Jan 2007

AB The anti-fatigue activity of a pentacyclic triterpenoid extract from bamboo shavings (EBS) from the bark of bamboo (Bambusa tuldoides Munro), was evaluated in BALB/c mice. EBS, isolated by the supercritical CO(2) fluid extraction (SFE) technique, was given to mice at concentrations of 0.04 (low-dose group), 0.08 (middle-dose group) and 0.25 g/kg body weight (high-dose group). The anti-fatigue activity of EBS was estimated by the change in body weight, weight-loaded swimming test and climbing test, and corresponding parameters including serum urea nitrogen, hepatic glycogen and blood lactic acid were measured. The results showed that an appropriate level of EBS could prolong the weight-loaded swimming and climbing time, and had an active effect on the serum urea nitrogen, hepatic glycogen and blood lactic acid level in BALB/c mice, which significantly embodied the anti-fatigue activity of EBS. Overall, it is predicted that EBS, being a composition mainly containing a group of pentacyclic triterpenoids , and its main triterpenoid components have great potential for application in relevant fields for its anti-fatigue activity.

L36 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:662821 CAPLUS
DOCUMENT NUMBER: 145:217439
TITLE: Analysis of triterpenoids in fruiting bodies of Ganoderma lucidum with off-line supercritical fluid extraction - high performance liquid chromatography system
AUTHOR(S): Zhang, Jie; Duan, Jicheng; Liang, Zhen; Zhang, Weibing; Zhang, Libua; Huo, Yushu; Zhang, Yukui
CORPORATE SOURCE: Natl. Chromatographic Res, & Anal. Cent., Dalian Inst. Chem. Phys., Chinese Acad. Sci., Dalian, 116023, Peop. Rep. China
SOURCE: Fenxi Huaxue (2006), 34(4), 447-450
CODEN: FHHHDT; ISSN: 0253-3820
PUBLISHER: Kexue Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
AB An extraction method of triterpenoids in the fruiting bodies of ganoderma lucidum using supercrit. fluid (SF) was developed. The effects of pressure, temperature and time were investigated with respect to extraction yield.

The optimized parameters were as follows: extraction pressure 15 MPa, extraction temperature 35°C, extraction time 120 min, flow rate of CO2 1 mL/min, and the temperature of back pressure regulator 50°C. In addition, a gradient elution method of high performance liquid chromatog. was developed for the anal. of extracted triterpenoids. By comparison, it found that the chromatograms of the triterpenoids extracted by supercrit. fluid and methanol were quite similar to each other, which demonstrated that supercrit. fluid could be used as a new generation of green extraction solvent instead of methanol.

L36 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:654097 CAPLUS
DOCUMENT NUMBER: 127:316453
TITLE: Supercritical fluid extraction of oil and triterpenoids from neem seeds
AUTHOR(S): Johnson, Shaun; Morgan, E. David
CORPORATE SOURCE: Department of Chemistry, Keele University, Keele, ST5 5BG, UK
SOURCE: Phytochemical Analysis (1997), 8(5), 228-232
CODEN: PHANEL; ISSN: 0958-0344
PUBLISHER: Wiley
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The selective extraction of nimbin, salannin, azadirachtin and oil from Neem seeds, using supercrit. carbon dioxide and supercrit. carbon dioxide:methanol, has been investigated using various conditions. Extraction for 30 min with 100% carbon dioxide using a capillary restrictor to maintain the critical pressure removed only small amts. of oil and triterpenoids. Slightly higher levels of oil and triterpenoids were removed when a back-pressure regulator was used. Over a 150 min period, in 30 min intervals, 100% carbon dioxide extracted all the nimbin and salannin from the seeds, while leaving some azadirachtin behind. Using carbon dioxide:methanol, no conditions were found which would allow the selective extraction of azadirachtin. However, the highest pressures (34.4 MPa) and percentages of methanol (20%) removed the most azadirachtin. An optimum was observed for extracting nimbin and salannin at 20.6 MPa and 6% methanol.
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:211742 CAPLUS

DOCUMENT NUMBER: 126:289354
TITLE: Comparison of chromatographic systems for triterpenoids from Neem (Azadirachta indica) seeds
AUTHOR(S): Johnson, Shaun; Morgan, E. David
CORPORATE SOURCE: Dep. Chem., Univ. Keele, Keele, Staffordshire, ST5 5BG, UK
SOURCE: Journal of Chromatography, A (1997), 761(1 + 2), 53-63
CODEN: JCRAEY; ISSN: 0021-9673
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Chromatog. conditions for the isolation and separation of 12 triterpenoids from Neem seeds, including azadirachtin and 6 closely related compds., are described. The elution orders of the compds. using supercrit. fluid chromatog. and reversed-phase HPLC are described. New and corrected NMR spectroscopic data for 11 of these compds. are tabulated.
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 4 OF 5 MEDLINE on STN
ACCESSION NUMBER: 2006574794 MEDLINE
DOCUMENT NUMBER: PubMed ID: 16886233
TITLE: Anti-fatigue activity of a triterpenoid-rich extract from Chinese bamboo shavings (Caulis bamfusae in taeniam).
AUTHOR: Zhang Yu; Yao Xiaobao; Bao Bili; Zhang Ying
CORPORATE SOURCE: Department of Food Science and Nutrition, College of Biosystems Engineering and Food Science, Zhejiang University, Hangzhou 310029, Zhejiang Province, PR China.. y_zhang@zju.edu.cn
SOURCE: Phytotherapy research : PTR, (2006 Oct) Vol. 20, No. 10, pp. 872-6.
Journal code: 8904486. ISSN: 0951-418X.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE) (RESEARCH SUPPORT, NON-U.S. GOV'T)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200701
ENTRY DATE: Entered STN: 28 Sep 2006
Last Updated on STN: 4 Jan 2007
Entered Medline: 3 Jan 2007
AB The anti-fatigue activity of a pentacyclic triterpenoid extract from bamboo shavings (EBS) from the bark of bamboo (Bambusa tuldoides Munro), was evaluated in BALB/c mice. EBS, isolated by the supercritical CO(2) fluid extraction (SFE) technique, was given to mice at concentrations of 0.04 (low-dose group), 0.08 (middle-dose group) and 0.25 g/kg body weight (high-dose group). The anti-fatigue activity of EBS was estimated by the change in body weight, weight-loaded swimming test and climbing test, and corresponding parameters including serum urea nitrogen, hepatic glycogen and blood lactic acid were measured. The results showed that an appropriate level of EBS could prolong the weight-loaded swimming and climbing time, and had an active effect on the serum urea nitrogen, hepatic glycogen and blood lactic acid level in BALB/c mice, which significantly embodied the anti-fatigue activity of EBS. Overall, it is predicted that EBS, being a composition mainly containing a group of pentacyclic triterpenoids, and its main triterpenoid components have great potential for application in relevant fields for its anti-fatigue activity.

L36 ANSWER 5 OF 5 MEDLINE on STN
ACCESSION NUMBER: 2003256954 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12781802
TITLE: Preparative purification of the major anti-inflammatory

triterpenoid esters from Marigold (Calendula officinalis).

AUTHOR: Hamburger M; Adler S; Baumann D; Forg A; Weinreich B
CORPORATE SOURCE: Institute of Pharmacy, Friedrich-Schiller-University Jena, Semmelweisstrasse 10, Jena D-07743, Germany..
b7hama@rz.uni-jena.de

SOURCE: Fitoterapia, (2003 Jun) Vol. 74, No. 4, pp. 328-38.
Journal code: 16930290R. ISSN: 0367-326X.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 4 Jun 2003
Last Updated on STN: 9 Sep 2003
Entered Medline: 8 Sep 2003

AB A method for the efficient preparative purification of faradiol 3-O-laurate, palmitate and myristate, the major anti-inflammatory triterpenoid esters in the flower heads of the medicinal plant Calendula officinalis has been developed. Gram quantities of the individual compounds were obtained with 96 to 98% purity by a combination of supercritical fluid extraction (SFE), normal-phase and reversed-phase column chromatography. During the work-up of the faradiol esters, accompanying minor compounds of the triterpene ester fraction were purified and identified by spectroscopic means as maniladiol 3-O-laurate and myristate.